INDEX TO VOLUME 23

AUTHORS INDEX

In this index following the author's name the title of the subject is given as it appeared in the JOURNAL.

A

ADRIANI, JOHN. A method for collecting blood for gas analysis, 1094
ANDERSCH, MARIE. (*See* GREGORY AND ANDERSCH), 572
ANDES, ERLENE J. (*See* ANDES, ANDES, AND MYERS), 9
ANDES, JEROME E., ANDES, ERLENE J., AND MYERS, VICTOR C. Guanidine-like substances in the blood. III. Blood guanidine in normal pregnancy, toxemias of pregnancy, and cirrhosis of the liver, 9
—, AND MYERS, VICTOR C. Guanidine-like substances in the blood. IV. Blood guanidine in patients with parathyroid deficiency and with idiopathic tetany, 123
ANDRESEN, MARJORY I. A method for collection of peripheral blood samples, 751
ARNOLD, LLOYD. (*See* JACOBSEN, MASON, AND ARNOLD), 729
ASHERMAN, EDWARD G. (*See* WAUGH AND ASHERMAN), 746
ATKINSON, A. J., AND IVY, A. C. Does removal of a normal gallbladder affect the metabolism of lipids? 441
AYNESWORTH, M. B. (*See* HERRMANN, AYNESWORTH, AND MARTIN), 135

B

BAILEY, HARRY D. A practical stain for spirochetes of syphilis and Vincent's angina, 960
BARER, ADELAIDE P. (*See* FOWLER AND BARER), 47
—, AND FOWLER, W. M. Urinary excretion, 148
BARLOW, O. W. The effectiveness of therapeutic measures after poisoning with sublethal and lethal dosages of barbital in the rabbit, 601
BARNARD, R. D. Pseudoagglutination of erythrocytes by alkali, 98
BARRET, HARVEY P., AND CULP, THERESA. A method for the protection of microscopic mounts for mailing, 1300
BARRON, E. S. GUZMAN, BRUMM, HAROLD J., AND DICK, GEORGE F. Ascorbic acid in the blood and urine after the intravenous injection of sodium ascorbate, 1226
BAYLEY, WALTER A. (*See* ZISKIND AND BAYLEY), 231
BECK, C. H. E. A new chocolate agar for culture of gonococcus, 415
BECTON, CLARA M. Blood grouping for major blood groups with plasma and oxalated blood cells, 541
—. The use of paraffin rings for rapid blood typing, 539
BEECHER, HENRY K., AND COHEN, MANDEL E. Limits of usefulness of the direct and indirect methods of determining venous pressure in man, 1088
BERG, MAX. Leucocytic variability and its relation to meteorologic alterations, 797
BERNHARD, ADOLPH. The determination of total protein, sugar and chlorides in cerebrospinal fluid, 179
BERNHEIM, ALICE R. (*See* LONDON AND BERNHEIM), 18
BERNSTEIN, CLARENCE, JR. (*See* KIRSNER AND BERNSTEIN), 944
—, KIRSNER, JOSEPH B., AND TURNER, WILLIAM J. Studies on anaphylaxis with insulin, 938
BISGARD, J. DEWEY. (*See* SHARPE AND BISGARD), 219
BLACK, CHARLES E. The staining reactions of fats after the use of various dyes and fixing agents, 1027
BLACK, L. A. (*See* CROFT AND BLACK), 1248, 1259
—. (*See* FABER AND BLACK), 496, 961
BOLING, JOHN L. (*See* YOUNG, DEMPSEY, HAGQUIST, AND BOLING), 300
BOUTON, S. MILES, JR. Erythrocyte sedimentation and anemia, 519
BOYCE, FREDERICK FITZHERBERT, MCFETRIDGE, ELIZABETH M. A serum volume test for the hemorrhagic diathesis in jaundice, 202
BREAZEALE, EDWARD L. (*See* GREENE AND BREAZEALE), 1193, 1211
—, AND GREENE, ROBERT A. The microdetermination of calcium in water, 845
BREWER, JOHN H., AND BROWN, J. HOWARD. A method for utilizing illuminating gas in Brown, Fildes and McIntosh or other anaerobe jars of Laidlaw principle, 870
BRONSTEIN, I. P. Intradermal antuitrin-S in children, 756
BROWER, NATHANIEL. (*See* DECOURCY, STEVENS, WEISKITTEL, AND BROWER), 1037
BROWN, ELIZABETH C., AND NAGLE, NATHAN. The Kahn reactions of sixty-four tularemia patients 1310
BROWN, HERBERT R. Observations on the Neufeld reaction (Quellung test) following desiccation of pneumococcus preparations, 1277
BROWN, J. HOWARD. (*See* BREWER AND BROWN), 870
BROWNE, A. S., AND PENTLER, C. F. An improved ring maker and an emulsion pipette for Kline test, 317
BRUMM, HAROLD J. (*See* BARRON, BRUMM, AND DICK), 1226
BRUST, RAYMOND W. (*See* WOHL, BRUST, AND FEED), 450
BURDON, KENNETH L. A mouse holder facilitating intravenous inoculations, 1293
BUTLER, ALLAN M. (*See* MACLACHLAN, CAREY, AND BUTLER), 1273

C

CADDEN, J. F. The glutathione content of blood during the puerperium, 1266
CAMPBELL, ELEANOR. (*See* SCHUBE, RASKIN, AND CAMPBELL), 711
CAMPBELL, LEO K. The effect of high protein diets on kidneys of rats, 361
—. The production of phosphate rickets in rats in the presence of vitamin D, 448
—. The treatment of nutritional anemia in rats with meat, 358
—. The utilization of calcium by rats, 362
CANTONI, OSCAR. Cock controlled at a distance for experimental study of breathing, 621
CAREY, B. W., JR. (*See* MACLACHLAN, CAREY, AND BUTLER), 1273

CARNES, HARRY E., AND LEWIS, GEORGE T. The source of urinary indol, 459
CAVETT, J. W. (*See* SELJESKOG AND CAVETT), 194
—. The determination of alcohol in blood and other body fluids, 543
CHRISTIANSON, R. A. (*See* HAMBLETON AND CHRISTIANSON), 860
CH'U, YING-CHANG, AND FORKNER, CLAUDE E. Errors in erythrocyte counts due to Hayem's solution—avoided with Gowers' solution, 1282
CLARK, HAROLD F. (*See* HANKS, CLARK, AND FELDMAN), 736
CHASNOFF, JULIUS, AND SOLOMON, SYDNEY. The Takata-Ara reaction. I. Clinical significance, 887
—, and —. The Takata-Ara reaction, II. Mechanism—with special reference to influence of ammonia blood level, 894
CHOISSER, ROGER M. (*See* SAGER, CHOISSER, AND WELLER), 1132
COHEN, MANDEL E. (*See* BEECHER AND COHEN), 1088
COLE, DEAN B., AND NALLS, WALTER L. Congenital cystic lung disease, 1111
—, and —. Salmonella suipestifer infection, 1223
CORLETTE, MARVIN B. (*See* YOUMANS, CORLETTE, CORLETTE, AND FRANK), 663
CORLETTE, MILDRED G. (*See* YOUMANS, CORLETTE, CORLETTE, AND FRANK), 663
CORPER, H. J. A simple procedure for the diagnostic culture of tubercle bacilli, 1195
CROFT, C. C., AND BLACK, L. A. Biochemical and morphologic methods for the isolation and identification of yeastlike fungi, 1248
—, and —. Yeastlike fungi isolated from normal skins, 1259
CROSBY, BENJAMIN L. (*See* SCHAPIRO, CROSBY, AND SICKLER), 681
CULLEN, GLENN E. (*See* HOLMES AND CULLEN), 761
CULP, THERESA. (*See* BARRET AND CULP), 1300
CUTTS, KATHARINE B. K. (*See* CUTTS AND CUTTS), 463
CUTTS, MORGAN, AND CUTTS, KATHARINE B. K. Studies on meningococcus broth filtrates, 463

D

DAMMIN, GUSTAVE J. The rapid preparation of tapeworm proglottids for diagnostic and teaching purposes, 192
DAVIDOFF, EUGENE, AND REIFENSTEIN, EDWARD C., JR. A method of studying some of the physiologic actions of benzedrine sulfate, 700
DAVIDOFF, LEO M., KOPELOFF, NICHOLAS, AND KOPELOFF, LENORE M. Anaphylaxis in decerebrated monkeys, 30
DAVIES, JOHN A. V. A method of collecting small blood specimens, with special reference to microflocculation tests for syphilis, 1206
DAVIS, GEORGE E., AND SHEARD, CHARLES. The absorption spectra of direct and indirect reacting types of serum bilirubin, 22
DAVIS, JOHN EMERSON. Changes in erythrocyte fragility due to physical exercise and variation of body temperature, 786
DAVIS, JOHN STAIGE, JR., AND FRISSELL, LEWIS F. Amidopyrine hypersensitivity, 107
DEAN, STANLEY ROCHELLE, AND SOLOMON, H. C. Intravenous autohemotherapy with hemolyzed blood: technique and leucopoietic response, 775
DECKERT, EVANGELINE, MULHALL, ELIZABETH, AND SWINEY, CAROL. The biological assay of estrogenic substances, 85
DECOURCY, JOSEPH L., STEVENS, CHARLES D., WEISKITTEL, RICHARD, AND BROWER, NATHANIEL. The effects of ligation of the common bile duct on the blood iodine and blood counts of male rabbits, 1037
DE MELLO, GILBERT. (*See* SMADEL AND DE MELLO), 1209
DEMPSEY, EDWARD W. (*See* YOUNG, DEMPSEY, HAGQUIST, AND BOLING), 300
DICK, GEORGE F. (*See* BARRON, BRUMM, AND DICK), 1226
DICKMAN, ALBERT. Trichinosis: distribution of trichinella spiralis in pork products sold in Philadelphia, 671
DIENST, ROBERT B. Further observations on use of nigrosine to demonstrate treponema pallidum in syphilitic lesions, 646
DINBURG, M. (*See* LEBOWICH, LEBOWICH, AND DINBURG), 284
DOBLE, JOHN, AND GEIGER, J. C. The determination of para-aminobenzene sulfonamide (sulfanilamide) in urine and blood, 651
DOMANSKI, THADDEUS JOHN. Apparatus for the extraction of estrin from urine, 412

E

EMERSON, LOUISE. (*See* HAMIL, POOLE, MUNDAY, SHEPHERD, EMERSON, MACY, AND RAIFORD), 488
EPSTEIN, PAULINE. Hot air sterilization and its practical application in bacteriologic laboratories, 390
ERF, LOWELL A. Degenerative leucocytic transformations associated with aging, 791
ETTELSON, LAWRENCE N. (*See* STEINFIELD, ETTELSON, AND HODES), 329
EVANS, FLORENCE L. A simple protection in aseptic grinding of tissue, 645
—. A timesaving method for examining blood films with high dry (45×) and oil immersion objectives, 646

F

FABER, J. E., JR., AND BLACK, L. A. A comparison of methods for preservation of hemolytic activity of guinea pig complement, 961
—, and —. Factors influencing the production of guinea pig complement of satisfactory titer, 496
FEDER, J. M. A universal laboratory shaker, 974
FELDMAN, HARRY. (*See* HANKS, CLARK, AND FELDMAN), 736
FELLER, A. E., AND FOWLER, W. M. Hyperproteinemia in multiple myeloma, 369
FELSEN, JOSEPH. Crypt aspiration: spray culture method for isolation of B. dysenteriae, 630
FENLON, ROBERTA. (*See* WEED AND FENLON), 1213
FENNEL, EPIC A. Museum mountings, 65
FERRY, N. S. Meningococcus antitoxin, 252
FINESINGER, GRACE LUBIN. (*See* FINESINGER AND FINESINGER), 267
FINESINGER, JACOB E., AND FINESINGER, GRACE LUBIN. A modification of the Krasnogorski method for stimulating and measuring the secretion from the parotid glands in human beings, 267
FINKELMAN, ISIDORE. The effect upon sodium chloride crystal growth of contamination with normal and abnormal cerebrospinal fluids, 1153
FISHBACK, DORA. (*See* FISHBACK AND FISHBACK), 127
FISHBACK, HAMILTON R., AND FISHBACK, DORA. Experimental studies on long-continued administration of bismuth, 127
FORKNER, CLAUDE E. (*See* CH'U AND FORKNER), 1282
FORSBECK, FILIP C. An improved technique for biliary drainage, 310
FOSTER, R. H. K. An easily constructed respiratory valve, 79
FOWLER, W. M. (*See* BARER AND FOWLER), 148
—. (*See* FELLER AND FOWLER), 369
—, AND BARER, ADELAIDE P. Iron metabolism in hemochromatosis, 47

FRANK, HELEN. (*See* YOUMANS, CORLETTE, CORLETTE, AND FRANK), 663
FREDERICK, WILLIAM G. (*See* MCCORD, FREDERICK, AND STOLZ), 278
FREED, HERBERT. (*See* WOHL, BRUST, AND FREED), 450
FREEMAN, GUSTAVE. An unusual bacillus from a case of bacterial endocarditis, 379
FRIEDEMANN, THEODORE E., MOTEL, WILLIAM G., AND NECHELES, HEINRICH. The excretion of ingested ethyl alcohol in saliva, 1007
FRIEDMAN, GEORGE, AND LISA, JAMES R. Superimposed infection in rheumatic heart disease, 1052
FRISSELL, LEWIS F. (*See* DAVIS AND FRISSELL), 107
FULLER, DOROTHEA SCHALLERT. A note on the staining of tubercle bacilli in sections, 416
FULTON, CHARLES C. Crystal tests for minute amounts of morphine, 622
—. Fröhde's reagent: a reagent for morphine and for other phenolic compounds, 625

G

GEIGER, J. C. (*See* DOBLE AND GEIGER), 651
GERSH, ISADORE, AND MUGRAGE, EDWARD R. The incidence of positive immunologic reactions for undulant fever, 918
GOLD, HERMAN. Active immunization against tetanus by means of tetanus toxoid alum-precipitated refined, 903
GOLDBERG, LEON HENRI. A rapid method for staining blood smears, 959
GONZÁLEZ, LUIS M. Value of the Hagedorn-Jensen method for determining pentoses and other reducing sugars formed by hydrolysis of polysaccharides, 280
GOWEN, G. HOWARD. Onset and course of epidemic meningitis as related to fluctuations in temperature and barometric pressure, 385
GREENE, JAMES A., AND HEEREN, RALPH H. Mumps, 129
GREENE, ROBERT A. (*See* BREAZEALE AND GREENE), 845
—, HARDING, HARRY B., HUDSPETH, WILLIAM T., AND PISTOR, WILLIAM J. The reaction of sera of different animals to Kahn, Kline, Ide, Eagle, and Laughlen tests, 763
—, AND BREAZEALE, EDWARD L. An apparatus for opening Keidel tubes, 1193
—, and —. The use of swabs impregnated with ascitic fluid in the laboratory diagnosis of gonorrhea, 1211
GREGERSEN, MAGNUS I. An analysis of colorimetric methods in relation to plasma volume determinations, 423
GREGORY, RAYMOND, AND ANDERSCH, MARIE. The influence of quantity of serum bilirubin on type of van den Bergh reaction, 572
GRIFFITH, WILLIAM O. (*See* SACHS, LEVINE, AND GRIFFITH), 566
GRUBB, THOMAS C. The present status of the staphylococcus food poisoning problem, 1150
GRUNER, O. C. Correlation of histologic structure with chemical features, 431
GUTHRIE, NOBEL W. (*See* POSNER, GUTHRIE, AND MATTICE), 804

H

HADEN, RUSSELL L. Diffraction methods for measuring the diameter of the red blood cell, 508
—. The importance of concentration preparations of leucocytes in study of leucopenias, 687
HAGQUIST, CARL W. (*See* YOUNG, DEMPSEY, HAGQUIST, AND BOLING), 300
HAIRE, ROBERT D. A practical method of staining Treponema pallida by means of low surface tension stain, 1215
HAJNA, A. A., AND PERRY, C. A. A comparative study of selective media for the isolation of typhoid bacilli from stool specimens, 1185
HALL, G. E. (*See* MANNING AND HALL), 303, 306
HAMBLETON, A., AND CHRISTIANSON, R. A. A simplified method of correcting sedimentation rate for effect of cell volume, 860
HAMIL, B. M., POOLE, M. W., MUNDAY, BETTY, SHEPHERD, MARION L., EMERSON, LOUISE, MACY, ICIE G., AND RAIFORD, T. E. A consideration of quantitative relations between erythrocytes, leucocytes, and hemoglobin of the blood, 488
HANKS, JOHN H., CLARK, HAROLD F., AND FELDMAN, HARRY. Concentration of tubercle bacilli from sputum by chemical flocculation methods, 736
HARDING, HARRY B. (*See* GREENE, HARDING, HUDSPETH, AND PISTOR), 763
HARRIS, A. H., AND VARLEY, F. M. The preservation of sputum for pneumococcus-type differentiation, 164
HAUMEDER, M. EVA. A cytologic comparison of malignant and nonmalignant nuclei and nucleoli, 1046
HAURY, VICTOR G. Modification of the titan yellow method for the determination of small amounts of magnesium in biological fluids, 1079
HAYES, E. R. (*See* TAYLOR, HAYES, AND WELLS), 188
HAZAY, CLARISE E. (*See* REIN AND HAZAY), 954
HECHT, HUGO. An improved method of examination of spinal fluid for the diagnosis of general paresis, 1301
HEEREN, RALPH H. (*See* GREENE AND HEEREN), 129
HERRMANN, GEORGE, AND AYNESWORTH, M. B. (with help of Martin, John). Successful treatment of persistent extreme dyspnea "status asthmaticus," 135
HICKS, YALE, JR. The graphic representation of the blood picture, 418
HIGGINS, JOHN A. (*See* MCGUIGAN AND HIGGINS), 839
HIGHMAN, WALTER J., JR. The excretion of sulfanilamide in perspiration, 790
HODES, WILLIAM A. (*See* STEINFIELD, ETTELSON, AND HODES), 329
HOLLANDER, LESTER, SCHLESINGER, CLARA R., AND SCHMITT, CHARLES L. The Hinton test for syphilis, 536
HOLMES, FREDERIC E., AND CULLEN, GLENN E. The sterilization of sodium bicarbonate solution for intravenous use in acidosis, 761
HOLT, JOSEPH H. A simplified shaking apparatus, 533
HOLTZ, RAYMOND. (*See* NEUSTAEDTER AND HOLTZ), 313
HUDSPETH, WILLIAM T. (*See* GREENE, HARDING, HUDSPETH, AND PISTOR), 763
HULL, WAYNE M. (*See* JETER AND HULL), 753
HURWITZ, SAMUEL. (*See* MULAY AND HURWITZ), 1117

I

IMMERMAN, SAMUEL L. The effect of atropine on the gastric contents of man, 256
ISAACS, BERTHA L. (*See* NADLER AND ISAACS), 241
ISRAEL, HAROLD L., AND REINHOLD, JOHN G. Detection of cirrhosis and other diseases of the liver by laboratory tests, 588
IVY, A. C. (*See* ATKINSON AND IVY), 441

J

JACKSON, D. E., AND JACKSON, HELEN L. Experimental and clinical considerations of the actions of camphortetrazol, metrazol, and of schizophrenic psychoses, 1240

JACKSON, HELEN L. (*See* JACKSON AND JACKSON), 1240
JACOBSEN, FRANCES, MASON, HERMAN C., AND ARNOLD, LLOYD. Laboratory diagnosis in chronic gonorrhea of the female, 729
JETER, HUGH, AND HULL, WAYNE M. Color photography and its application in medical teaching, 753
JONES, W. RAY. Lantern slides for photomicrographs in color, 1297
JOURDONAIS, LEONARD F. Standardization of Folin-Malmros blood sugar method for capillary and venous blood and its adaption to the photoelectric photometer, 847

K

KAMLET, JONAS. Analysis of renal calculi, 321
—. The determination of sulfanilamide in blood, 1101
KATSUJI, KATO. Combination microhemopipette, 980
KEIPER, THEODORE W. Studies on yeastlike fungi isolated from pulmonary disease (bronchomonilias), 343
KILDUFFE, ROBERT A. The clinical utilization of blood studies, 922
KIRK, ROBERT C. The clinical significance of eosinophilia, 1137
KIRSNER, JOSEPH B. (*See* BERNSTEIN, KIRSNER, AND TURNER), 938
—, AND BERNSTEIN, CLARENCE, JR. The relationship of insulin hypoglycemia to method of administration and type of insulin, 944
KLEIN, BERNARD. An improved method for the preparation of urease paper, 1097
KLEIN, R. I. (*See* LEVINSON, KLEIN, AND ROSENBLUM), 53
KOHN, RICHARD, AND LEDERER, LUDWIG. Pentothal studies with special reference to the electrocardiogram, 717
KOMAROV, S. A. The partition of nitrogen in canine gastric juice, 822
KOPELOFF, LENORE M. (*See* DAVIDOFF, KOPELOFF, AND KOPELOFF), 30
KOPELOFF, NICHOLAS. (*See* DAVIDOFF, KOPELOFF, AND KOPELOFF), 30
KRAFKA, JOSEPH, JR. "Skin prints," 72
KUGELMASS, I. NEWTON. (*See* SNELL AND KUGELMASS), 274

L

LAZELL, EDWARD W. Sensitization in the convulsive states with special reference to heterophile antigen. I. Heterophile hemolysins, 1160
LEADINGHAM, ROY S., AND SANDERS, ROSALTHA HAGAN. The effect of salts of citric acid on serum calcium in the albino rat, 382
LEBOWICH, JOSEPH, LEBOWICH, RICHARD J., AND DINBURG, M. A simple direct reading photoelectric colorimeter, 284
LEBOWICH, RICHARD J. (*See* LEBOWICH, LEBOWICH, AND DINBURG), 284
LEDERER, LUDWIG. (*See* KOHN AND LEDERER), 717
LEFKOVITS, AARON M. Coronary disease in diabetes mellitus, 354
LEVATINSKY, PAUL. A stirring device for use in microtitrations, 532
LEVINE, VICTOR E. (*See* SACHS, LEVINE, AND GRIFFITH), 566
LEVINSON, S. A., KLEIN, R. I., AND ROSENBLUM, P. The Weltmann serum coagulation reaction, 53
LEWIS, GEORGE T. (*See* CARNES AND LEWIS), 459
LISA, JAMES R. (*See* FRIEDMAN AND LISA), 1052
LONDON, ISABEL M., AND BERNHEIM, ALICE R. Calcium tolerance curves in Paget's disease of the bone, 18
LOVE, JAMES W. Nonhemolytic streptococcic meningitis: report of case successfully treated with sulfanilamide and prontosil, 482

M

MACLACHLAN, E. A., CAREY, B. W., JR., AND BUTLER, ALLAN M. The determination of para-aminobenzene-sulfonamide, 1273
MACY, ICIE G. (*See* HAMIL, POOLE, MUNDAY, SHEPHERD, EMERSON, MACY, AND RAIFORD), 488
MADDOCK, WALTER G. (*See* PEDERSEN, MADDOCK, AND WINSLOW), 1123
MAGRUDER, SAMUEL R. A comparative study of dehydration, 405
MAIER, EUGENE. Simplified method for making photographic records of Petri dish cultures without camera, 1299
MANNING, G. W., AND HALL, G. E. A continuous intravenous injection apparatus for unrestrained animals, 303
—, AND —. An apparatus for prolonged stimulation experiments in unanesthetized animals, 306
MARANGONI, B. A. (*See* VOLPITTO AND MARANGONI), 575
MARDISS, L. H., AND SOKOLIK, F. T. Apparatus for aseptic collection, defibrination, and distribution of blood, 1099
MARTIN, JOHN. (*See* HERRMANN, AYNESWORTH, AND MARTIN), 135
MASON, HERMAN C. (*See* JACOBSEN, MASON, AND ARNOLD), 729
MATTICE, MARJORIE R. (*See* POSNER, GUTHRIE, AND MATTICE), 804
MCCORD, CAREY P., FREDERICK, WILLIAM G., AND STOLZ, STANLEY. The toxicity of silicon, 278
MCFETRIDGE, ELIZABETH M. (*See* BOYCE AND MCFETRIDGE), 202
MCGUIGAN, ROBERT A. The effect of temperature on digitalis action, 999
—, AND HIGGINS, JOHN A. The influence of calcium salts on digitalis action, 839
MESSER, FREDERICK C. A microconstant extraction apparatus for liquids, 618
—. Analysis of fluid from a chylous mesenteric cyst, 596
MILLER, J. ROSCOE, AND VAN DELLEN, T. R. Electrocardiographic changes following intravenous administration of magnesium sulfate, 914
MINSTER, ROGER D. The advantage of stained antigens in the diagnostic agglutination test for brucella infections, 298
MORRISON, SAMUEL. A comparison of antipernicious anemia potency of depepsinized and undepepsinized gastric mucosa, 949
MOTEL, WILLIAM G. (*See* FRIEDEMANN, MOTEL, AND NECHELES), 1007
MUGRAGE, EDWARD R. (*See* GERSH AND MUGRAGE), 918
MULAY, A. S., AND HURWITZ, SAMUEL. Normal plasma phosphatase values (Jenner-Kay method), 1117
MULHALL, ELIZABETH. (*See* DECKERT, MULHALL, AND SWINEY), 85
MUNDAY, BETTY. (*See* HAMIL, POOLE, MUNDAY, SHEPHERD, EMERSON, MACY, AND RAIFORD), 488
MYERS, GORDON B., AND PERKIN, FRANK S. Comparative effects of the new insulin preparations upon the blood sugar curve, 1
MYERS, VICTOR C. (*See* ANDES, ANDES, AND MYERS), 9
—. (*See* ANDES AND MYERS), 123

N

NADLER, WALTER H., AND ISAACS, BERTHA L. Control of intractable clinical and of total experimental diabetes with protamine insulin, 241
NAGLE, NATHAN. (*See* BROWN AND NAGLE), 1310
NALLS, WALTER L. (*See* COLE AND NALLS), 1111, 1223
NAUMANN, HANS NORBERT. The reaction of urobilinogen with p-dimethylaminobenzaldehyde, 1127

NECHELES, HEINRICH. (*See* FRIEDEMANN, MOTEL, AND NECHELES), 1007
NEDZEL, A. J. The pressor episodes, diets, and the toxicity of morphine sulfate, 1063
NEUSTAEDTER, THEODORE, AND HOLTZ, RAYMOND. Chemical extraction with a simple automatic shaker, 313
NITTIS, SAVAS. Pigeon reticulocytes: an uncertain index of hemopoietic activity, 1119
NORBURY, FRANK GARM. Use of mercurial diuretics, 156
NYLIN, GUSTAV. The effect of large doses of digitalis on standard metabolism, 472

O

OCHI, SADAMI. A method for staining rickettsia in sections, 852
OLEF, ISADORE. The determination of platelet volume, 166

P

PATRAS, MARY C. (*See* TEMPLETON AND PATRAS), 874
PEDERSEN, SVEND, MADDOCK, WALTER G., AND WINSLOW, SHERWOOD. Serum potassium in hyperthyroidism, 1123
PENTLER, C. F. (*See* BROWNE AND PENTLER), 317
PERKIN, FRANK S. (*See* MYERS AND PERKIN), 1
PERRILL, C. V., AND SANDERSON, H. C. A portable air-using metabolimeter, 1202
PERRY, C. A. (*See* HAJNA AND PERRY), 1185
PINKSTON, J. O. A restraining device for unanesthetized monkeys, 1085
PISTOR, WILLIAM J. (*See* GREENE, HARDING, HUDSPETH, AND PISTOR), 763
PLASTRIDGE, W. N., AND WILLIAMS, L. F. A multiple pipetting machine, 318
POOLE, M. W. (*See* HAMIL, POOLE, MUNDAY, SHEPHERD, EMERSON, MACY AND RAIFORD), 488
POSNER, IRVING, GUTHRIE, NOBEL W., AND MATTICE, MARJORIE R. Formation of abnormal blood pigment as a complication of sulfanilamide therapy, 804

R

RAIFORD, T. E. (*See* HAMIL, POOLE, MUNDAY, SHEPHERD, EMERSON, MACY, AND RAIFORD), 488
RALLI, ELAINE P., AND STEINBERG, ISRAEL. The incidence of tuberculosis in a New York City diabetic clinic, 581
RAMSEY, THOMAS L. Multiple serositis, "Kelly" pericarditic pseudocirrhosis of the liver, "Pick," 39
RANDALL, WILLIAM L. Clinical investigation of increased fragility of erythrocytes, 468
RASKIN, NAOMI. (*See* SCHUBE, RASKIN, AND CAMPBELL), 711
RATISH, HERMAN D. (*See* SCUDI AND RATISH), 615
RAY, THOMAS W. A microchemical method for the determination of manganese by oxidation with potassium persulfate, 1304
REIFENSTEIN, EDWARD C., JR. (*See* DAVIDOFF AND REIFENSTEIN), 700
REIN, CHARLES ROBERT, AND HAZAY, CLARISE E. The Ide test for syphilis, 954
REINHOLD, JOHN G. (*See* ISRAEL AND REINHOLD), 588
RIGDON, R. H. The effect of staphylococcus antitoxin on rabbits given broth cultures of staphylococci intravenously, 159
ROEHILL, W. H. A modification of the technic of the Neufeld reaction in typing of pneumococci, 180
ROSENBLUM, P. (*See* LEVINSON, KLEIN, AND ROSENBLUM), 53

S

SABINE, DAVID B. A note on the preparation of the urease reagent for Wrenn's method for the determination of urea in blood and urine, 1296
SACHS, ADOLPH, LEVINE, VICTOR E., AND GRIFFITH, WILLIAM O. Blood copper and iron in relation to menstruation, 566
SAGER, W. WARREN, CHOISSER, ROGER M., AND WELLER, G. LOUIS, JR. Differential diagnosis of multiple myeloma and hyperparathyroidism by means of biopsy, 1132
SANDERS, ROSALTHA HAGAN. (*See* LEADINGHAM AND SANDERS), 382
SANDERSON, H. C. (*See* PERRILL AND SANDERSON), 1202
SCHAPIRO, MARK M., CROSBY, BENJAMIN L., AND SICKLER, MARGARET M. The correlation of clinical diagnosis and postmortem findings in trichinosis, 681
SCHLESINGER, CLARA R. (*See* HOLLANDER, SCHLESINGER, AND SCHMITT), 536
SCHMIDT, E. G. The determination of sulfanilamide in cerebrospinal fluid by means of sodium-beta-naphthoquinone-4-sulfonate, 648
SCHMITT, CHARLES L. (*See* HOLLANDER, SCHLESINGER, AND SCHMITT), 536
SCHMULOVITZ, M. D., AND WYLIE, H. BOYD. The chemical diagnosis of pregnancy by detection of estrin in urine. III. Modifications of procedure and results in 193 determinations, 633
SCHUBE, PURCELL G., RASKIN, NAOMI, AND CAMPBELL, ELEANOR. Cholesterolysis in blood plasma of normal man, 711
SCUDI, JOHN V., AND RATISH, HERMAN D. The urinary excretion of single doses of sulfanilamide, 615
SELESNICK, SYDNEY. The colloidal carbon flocculation test in spinal fluid for the diagnosis of neurosyphilis, 1068
SELJESKOG, S. R., AND CAVETT, J. W. A comparison of urea methods, 194
SHAPIRO, HERMAN H., AND SMYTH, LEO A. Transient electrocardiographic changes noted during attacks of angina pectoris, 819
SHARPE, JOHN C., AND BISGARD, J. DEWEY. The thyroid gland and hematopoiesis. II. The effect of thyroid extract, liver extract, and iron on the anemia of myxedema, 219
SHEARD, CHARLES. (*See* DAVIS AND SHEARD), 22
SHEFTEL, A. G. A simple colorimetric method for determination of alcohol concentration in urine and blood, 534
SHEPHERD, MARION L. (*See* HAMIL, POOLE, MUNDAY, SHEPHERD, EMERSON, MACY, AND RAIFORD), 488
SICKLER, MARGARET M. (*See* SCHAPIRO, CROSBY, AND SICKLER), 681
SLOAN, RUELL A. A comparison of methods for detecting and grading subclinical scurvy, 1015
SMADEL, JOSEPH E., with technical assistance of DE MELLO, GILBERT. A simple method for the qualitative determination of urinary protein, 1209
SMYTH, LEO A. (*See* SHAPIRO AND SMYTH), 819
SNELL, CORNELIA T., AND KUGELMASS, I. NEWTON. The determination of total fixed base in tissue, 274
SNYDER, ROBERT G. (*See* SPANSWICK AND SNYDER), 181
SOKOLIK, F. T. (*See* MARDISS AND SOKOLIK), 1099
SOLOMON, H. C. (*See* DEAN AND SOLOMON), 775
SOLOMON, SYDNEY. (*See* CHASNOFF AND SOLOMON), 887, 894
SPANSWICK, M. PEARL, AND SNYDER, ROBERT G. Some practical aspects of the routine performance of the Kahn test, 181

SPRAY, ROBB SPALDING. Bacteriostatic action of prontosil soluble, sulfanilamide, and disulfanilamide on sporulating anaerobes commonly causally associated with gaseous gangrene, 609
STEINBERG, ISRAEL. (*See* RALLI AND STEINBERG), 581
STEINER, GABRIEL. A new method of staining spirochetes and bacteria in smears, 293
—. A simple method for demonstration of spirochetes in frozen sections, 315
STEINFIELD, EDWARD, ETTELSON, LAWRENCE N., AND HODES, WILLIAM A. Adrenal cortex extract, 329
STEVENS, CHARLES D. (*See* DECOURCY, STEVENS, WEISKITTEL, AND BROWER), 1037
STEVENS, DANIEL S. A low-temperature evaporator, 978
—, AND TURNER, WILLIAM J. The measurement of fluorescence intensity by photoelectric means, 81
STILLMAN, RALPH G. A comparison of a series of Wassermann and Kline tests with respect to specificity and sensitivity, 73
STOLZ, STANLEY. (*See* MCCORD, FREDERICK, AND STOLZ), 278
SWINEY, CAROL. (*See* DECKERT, MULHALL, AND SWINEY), 85
SWINNY, BOEN. A filter adapter for small quantities of solutions, 1098

T

TAINTER, M. L. A body temperature regulating apparatus and an improved axograph for animal experiments, 856
TAUSSIG, ALBERT E. Still's disease with hyperglobulinemia, 833
TAYLOR, W. F., HAYES, E. R., AND WELLS, B. B. An improved method for the determination of urine urea nitrogen by direct nesslerization, 188
TEITELBAUM, MYER. The relationship between chlorides and nitrogenous waste products in blood, 689
TEMPLETON, R. D., AND PATRAS, MARY C. The weight curve complicated by death, 874
TINSLEY, WILLIAM. A perfusion stage for observations on daphnia, 1076
—. Use of daphnia in study of cathartic action, 985
TOWNSEND, STUART R. Hyperindicanemia in renal insufficiency and significance of the diazo reaction, 809
TSUCHIYA, H. Observations on induced encystment of Endamebæ histolytica in vitro, 261
TURNER, WILLIAM J. (*See* BERNSTEIN, KIRSNER, AND TURNER), 938
—. (*See* STEVENS AND TURNER), 81

V

VAISBERG, MAURICE. Method for clearing coagulated serum-blocked Berkefeld filters, 542
VAN DELLEN, T. R. (*See* MILLER AND VAN DELLEN), 914
VARLEY, F. M. (*See* HARRIS AND VARLEY), 164
VARNEY, PHILIP L. (*See* WYND AND VARNEY), 864
VOLPITTO, P. P., AND MARANGONI, B. A. Electrocardiographic studies during anesthesia with intravenous barbiturates, 575

W

WANTLAND, W. W. Blood studies on normal and trichinized white rabbits, 32
WARREN, JOEL. Changes in the colloidal gold curve of normal and pathologic spinal fluids after ultraviolet irradiation, 1146
WATSON, BERNARD A. Normal glucose tolerance tests, 364
WAUGH, THEODORE R., AND ASHERMAN, EDWARD G. The use of an index of hemolysis in expressing fragility of erythrocytes, 746
WEED, LYLE A., AND FENLON, ROBERTA. Relation of vitamin C to the Schick test in the guinea pigs, 1213
WEISKITTEL, RICHARD. (*See* DECOURCY, STEVENS, WEISKITTEL, AND BROWER), 1037
WELLER, G. LOUIS, JR. (*See* SAGER, CHOISSER, AND WELLER), 1132
WELLS, B. B. (*See* TAYLOR, HAYES, AND WELLS), 188
WILLIAMS, JOHN R. An improved tourniquet, 1296
—. Notes on the nature and uses of protamines in the treatment of diabetes, 1237
WILLIAMS, JOHN W. "Integrative action" of mixtures of simple organic substances in oxidation-reduction phenomena produced by autoclaving, 527
WILLIAMS, L. F. (*See* PLASTRIDGE AND WILLIAMS), 318
WINSLOW, SHERWOOD. (*See* PEDERSEN, MADDOCK, AND WINSLOW), 1123
WOHL, MICHAEL G., BRUST, RAYMOND W., AND FREED, HERBERT. Nonrenal azotemia, 450
WOOLLEY, MILDRED T. Mycological findings in sputum, 553
WYLIE, H. BOYD. (*See* SCHMULOVITZ AND WYLIE), 633
—. An automatic evaporation controller and signal, 642
WYND, F. LYLE, AND VARNEY, PHILIP L. A direct reading nul point amplifier for measuring hydrogen ion concentrations and oxidation-reduction potentials, 864

Y

YOUMANS, JOHN B., CORLETTE, MARVIN B., CORLETTE, MILDRED G., AND FRANK, HELEN. Inadequacy of conjunctival smears in diagnosis of slight vitamin A deficiency in adults, 663
YOUNG, WILLIAM C., DEMPSEY, EDWARD W., HAGQUIST, CARL W., AND BOLING, JOHN L. The determination of heat in the guinea pig, 300

Z

ZISKING, EUGENE, AND BAYLEY, WALTER A. Hyperinsulinism, 231

SUBJECT INDEX

Abstracts are indicated by (Abst.) after the page number; book reviews by (B. Rev.) after the page number.

A

Absorption spectra of direct and indirect reacting types of serum bilirubin, 22
Acid, ascorbic, in blood and urine after intravenous injection of sodium ascorbate, 1226
  citric, salts of, effect of, on serum calcium in albino rat, 382
  dinitrobenzoic, colorimetric determination of creatinine in urine and blood with, 216 (Abst.)
  tannic, compound solution of, 103 (Abst.)
Acidosis, sterilization of sodium bicarbonate solution for intravenous use in, 761
Adapter, filter, for small quantities of solutions, 1098
Adrenal cortex extract, 329
Agar, chocolate, for culture of gonococcus, 415
Age, middle, is what you make it, 1109 (B. Rev.)
Agglutinins for typhoid group bacilli in tuberculosis, 550 (Abst.)
Aging, degenerative leucocytic transformations associated with, 791
Air-using metabolimeter portable, 1202
Albuminuria, febrile, 325 (Abst.)
  orthostatic, renal lesion in, 217 (Abst.)
Alcohol concentration in blood and urine, method for determination of, 534
  in blood and other body fluids, determination of, 543
  ingested ethyl, excretion of, in saliva, 1007
Alcoholic intoxication, diagnosis and medicolegal implications, 992 (Abst.)
Alkali, pseudoagglutination of erythrocytes by, 98
Amebiasis, complement fixation in, 1220 (Abst.)
American College of Physicians, 1222
  Rheumatism Association, 879
  Society of Clinical Pathologists, 879
Amidopyrine hypersensitivity, 107
Amino acid and ammonia metabolism in liver diseases, 773 (B. Rev.)
Amplifier, direct reading nul point, for measuring hydrogen ion concentrations and oxidation-reduction potentials, 864
Anaerobes, sporulating, bacteriostatic action of prontosil soluble, sulfanilamide, and disulfanilamide on, 609
Analysis, gas, method for collecting blood for, 1094
  gastric, critical study of leucocyte behavior during, 215 (Abst.)
  method for securing blood for, 770 (Abst.)
  of colorimetric methods in relation to plasma volume determinations, 423
  of renal calculi, 321
Anaphylaxis, gangrene following administration of horse serum, 1313 (Abst.)
  in decerebrated monkeys, 30
  with insulin, studies on, 938
Anatomy, method of, 662 (B. Rev.)
Anemia, acute hemolytic, 547 (Abst.)
  erythrocyte sedimentation and, 519
  influence of, on blood sedimentation, 1314 (Abst.)
  nutritional, in rats with meat, treatment of, 358
  of chronic glomerulonephritis and its relationship to gastric acidity, 770 (Abst.)
  of myxedema 440 (Abst.)
    effect of thyroid extract, liver extract, and iron on, 219
  pernicious, sternal marrow in, 101 (Abst.)
  sickle-cell, 548 (Abst.)
    immunologic studies of, 769 (Abst.)
Anesthesia, electrocardiographic studies during, 575
Angina pectoris, transient electrocardiographic changes noted during attacks of, 819
Animals, unrestrained, continuous intravenous injection apparatus for, 303
Anthracosilicosis, 437 (Abst.)
Antibodies, serologic, against hormones, 657 (Abst.)
Antigen, heterophile, sensitization in convulsive states with special reference to, 1160
Antipernicious anemia potency of depepsinized and undepepsinized gastric mucosa, comparison of, 949
Antitoxin, meningococcus, 252
  staphylococcus, effect of, on rabbits given broth cultures of staphylococci intravenously, 159
Antuitrin-S, intradermal, in children, 756
Apparatus, body temperature regulating, 856
  continuous intravenous injection, for unrestrained animals, 303
  for aseptic collection, defibrination, and distribution of blood, 1099
  for extraction of estrin from urine, 412
  for opening Keidel tubes, 1193
  for prolonged stimulation experiments in unanesthetized animals, 306
  microconstant extraction, for liquids, 618
  simplified shaking, 533
Arterial hypertension, 440 (Abst.)
Arthritis, gonococcic, 656 (Abst.)
  rheumatoid, comparative evaluation of commonly employed diagnostic tests, 217 (Abst.)
Ascitic fluid, use of swabs impregnated with, in laboratory diagnosis of gonorrhea, 1211
Ascorbic acid in blood and urine after intravenous injection of sodium ascorbate, 1226
Aseptic collection, defibrination, and distribution of blood, apparatus for, 1099
  grinding of tissue, simple protection in, 645
Aspiration, crypt, for isolation of B. dysenteriae, 630
Association for Study of Allergy, 879
Atlas, Muir's bacteriological, 660 (B. Rev.)
Atropine, effect of, on gastric contents of man, 256
Autohemotherapy, intravenous, with hemolyzed blood, 775
Automatic evaporation controller and signal, 642
  shaker, simple, chemical extraction with, 313
Axograph, improved, for animal experiments, 856
Azotemia, nonrenal, 450

B

Bacilli, tetanus, isolation of, from street dust, 549 (Abst.)
  tubercle, comparative study of various methods of cultivation from blood, 659 (Abst.)
    concentration of, from sputum by chemical flocculation methods, 736
    diagnostic culture of, simple procedure for, 1195
    in gastric washings, 551 (Abst.)
  typhoid, from stool specimens, comparative study of selective media for the isolation of, 1185
Bacillus Friedlanderi, pneumonia due to, 881 (Abst.)
  unusual, from case of bacterial endocarditis, 379
Bacteria and spirochetes in smears, new method of staining, 293
Bacterial endocarditis, unusual bacillus from case of, 379
Bacteriemia, significance of hemolytic streptococci, 882 (Abst.)
Bacteriological atlas, Muir's, 660 (B. Rev.)
Bacteriostatic action of prontosil soluble, sulfanilamide, and disulfanilamide on sporulating anaerobes, 609
Barbital, effectiveness of therapeutic measures after poisoning with sublethal and lethal dosages of, 601
Barbiturates, intravenous, electrocardiographic studies during anesthesia with, 575

Barometric pressure and temperature, epidemic meningitis as related to, 385
Base, total fixed, in tissue, determination of, 274
Benzedrine sulfate, method of studying some of the physiologic actions of, 700
Berkefeld filters, method for clearing coagulated serum-blocked, 542
Bile duct, common, effects of ligation of, on blood iodine and blood counts of male rabbits, 1037
Biliary drainage, improved technique for, 310
Bilirubin, serum, influence of quantity of, on type of van den Bergh reaction, 572
simple reaction for demonstration of, in urine, 770 (Abst.)
Biochemistry, practical methods in, 773 (B. Rev.)
Biological assay of estrogenic substances, 85
Biopsy, differential diagnosis of multiple myeloma and hyperparathyroidism by means of, 1132
studies of human endometrium, 323 (Abst.)
Bismuth, experimental studies on long-continued administration of, 127
rapid clinical method for estimation of, in urine, 655 (Abst.)
Blood, apparatus for aseptic collection, defibrination, and distribution of, 1099
capillary and venous, standardization of Folin-Malmros micro blood sugar method for, 847
cholesterol content of, in heart disease, 1312 (Abst.)
copper and iron in relation to menstruation, 566
counts and blood iodine of male rabbits, effects of ligation of common bile duct on, 1037
determination of alcohol concentration in, 534
alcohol in, 543
sulfanilamide in, 992 (Abst.), 1101
estimation of sulfanilamide in, 993 (Abst.)
films, timesaving method for examining, 646
for gas analysis, method for collecting, 1094
for transfusion, inexhaustible supply of and its preservation, 1104 (Abst.)
glutathione content of, during puerperium, 1266
group, relation of, to blood diseases and neoplasms, 654 (Abst.)
grouping, simple technique for determination from small amounts of defibrinated blood, 100 (Abst.)
for major blood groups, 541
in forensic medicine, 218 (Abst.)
guanidine-like substances in, 9, 123
hemolyzed, intravenous autohemotherapy with, 775
iodine and blood counts of male rabbits, effects of ligation of common bile duct on, 1037
leucocyte picture in Iraq, 1217 (Abst.)
macropolycyte in health and disease in Iraq, 215 (Abst.)
method for securing for analysis, 770 (Abst.)
picture, graphic representation of, 418
pictures in primary diseases of lymphatic system, 217 (Abst.)
pigment, formation of abnormal, as a complication of sulfanilamide therapy, 804
plasma of normal man, cholesterolysis in, 711
proteins in delirium tremens, 1315 (Abst.)
quantitative relations between erythrocytes, leucocytes, and hemoglobin of, 488
relationship between chlorides and nitrogenous waste products in, 689
samples, peripheral, method for collection of, 751
sedimentation in pulmonary tuberculosis, 659 (Abst.)
rate, influence of external temperature on, 103 (Abst.)
smears, staining, rapid method for, 959
specimens, small, method of collecting, 1206
stains and seminal stains, typing of, by means of absorption test, 1221 (Abst.)
studies, clinical utilization of, 922
on normal and trichinized white rabbits, 32
sugar curve, comparative effects of new insulin preparation upon, 1
Blood—Cont'd
transfusion, renal insufficiency from, 1220 (Abst.)
typing, use of, paraffin rings for, 539
urine and, determination of para-aminobenzene sulfonamide (sulfanilamide) in, 651
vitamin C in, spinal fluid and urine, 1313 (Abst.)
Body fluids, determination of alcohol in, 543
Bone, Paget's disease of, calcium tolerance curves in, 18
Bowel obstruction, therapeutic problem in, 662 (B. Rev.)
Breast, carcinoma of, value of preoperative and postoperative irradiation in, 1107 (Abst.)
Breathing, cock controlled at distance for experimental study of, 621
Bronchomonilias, 343
Broth filtrates, meningococcus, 463
Brucella infection, advantage of stained antigens in diagnostic agglutination test for, 298

C

Calcium, microdetermination of, in water, 845
salts, influence of, on digitalis action, 839
serum, effect of salts of citric acid on, in albino rat, 382
tolerance curves in Paget's disease of bone, 18
utilization of, by rats, 362
Camphortetrazol, metrazol, and schizophrenic psychoses, experimental and clinical considerations of actions of, 1240
Carcinoma of breast, value of preoperative and postoperative irradiation, 1107 (Abst.)
of bronchus in association with anthracosilicosis, 437 (Abst.)
Cathartic action, use of daphnia in study of, 985
Cell, red blood, measuring diameter of, 508
volume, effect of, simplified method of correcting sedimentation rate for, 860
Cellophane embedding box, tissue, 103 (Abst.)
Cerebrospinal fluid, determination of sulfanilamide in, 648
determination of total protein, sugar and chlorides in, 179
fluids, normal and abnormal, effect upon sodium chloride crystal growth of contamination with, 1153
Chancroidal test, diagnostic value of intradermal, 438 (Abst.)
Chemical diagnosis of pregnancy by detection of estrin in urine, 633
extraction with a simple automatic shaker, 313
flocculation methods, concentration of tubercle bacilli from sputum by, 736
Chemistry, practical physiological, 661 (B. Rev.)
Children, intradermal antuitrin-S in, 756
Chlorides and nitrogenous waste products in blood, relationship between, 689
total protein and sugar in cerebrospinal fluid, determination of, 179
Cholesterol content of blood in heart disease, 1312 (Abst.)
Cholesterolysis in blood plasma of normal man, 711
Chronic and incurable diseases, treatment of some, 774 (B. Rev.)
Chylous mesenteric cyst, analysis of fluid from, 596
Cirrhosis, detection of, and other diseases of liver, 588
Citric acid on serum calcium in albino rat, effect of salts of, 382
Classification and terminology of leucemia and allied disorders, 770 (Abst.)
Clinical features, correlation of histologic structure with, 431
investigation of increased fragility of erythrocytes, 468
pathology, textbook of, 1110 (B. Rev.)
significance of eosinophilia, 1137
surgery, demonstration of physical signs in, 774 (B. Rev.)
utilization of blood studies, 922

Coagulation reaction, Weltmann serum, 53
Colloidal carbon flocculation test in spinal fluid for diagnosis of neurosyphilis, 1068
gold curve of normal and pathologic spinal fluids, changes in, after ultraviolet irradiation, 1146
Color photography and its application in medical teaching, 753
Colorimeter, photoelectric, simple direct reading, 284
Colorimetric determination of creatinine in urine and blood, 216 (Abst.)
method for determination of alcohol concentration in blood and urine, 534
methods in relation to plasma volume determinations, analysis of, 423
Combination microhemopipette, 980
Comparative effects of new insulin preparations upon blood sugar curve, 1
Compleat pediatrician, 773 (B. Rev.)
Complement fixation, gonococcus, significance of, 327 (Abst.)
in amebiasis, 1220 (Abst.)
guinea pig, comparison of methods for preservation of hemolytic activity of, 961
factors influencing production of, 496
Congenital cystic lung disease, 1111
Conjunctival smears, inadequacy of, in diagnosis of slight vitamin A deficiency in adults, 663
Convulsive states, sensitization in, with special reference to heterophile antigen, 1160
Coronary disease in diabetes mellitus, 354
Correlation of histologic structure with clinical features, 431
Creatinine, colorimetric determination of, in urine and blood, 216 (Abst.)
Crypt aspiration for isolation of B. dysenteriae, 630
Culture, diagnostic, of tubercle bacilli, simple procedure for, 1195
of gonococcus, new chocolate agar for, 415
Cultures, Petri dish, without camera, simplified method for making photographic records of, 1299
Cyanide, toxicology of, 1311 (Abst.)
Cyst, chylous mesenteric, analysis of fluid from, 596
Cystic lung disease, congenital, 1111
Cytologic comparison of malignant and nonmalignant nuclei and nucleoli, 1046

D

Daphnia, perfusion stage for observation on, 1076
use of, in study of cathartic action, 985
Defibrination, aseptic collection, and distribution of blood, apparatus for, 1099
Dehydration, a comparative study of, 405
Device, restraining, for unanesthetized monkeys, 1085
stirring, for use in microtitrations, 532
Diabetes mellitus, coronary disease in, 354
treatment of, nature and uses of protamines in, 1237
with protamine insulin, control of intractable clinical and of total experimental, 241
Diabetic clinic, incidence of tuberculosis in, 581
Diagnosis, chemical, of early pregnancy, 436 (Abst.)
of pregnancy by detection of estrin in urine, 633
clinical, and postmortem findings in trichinosis, correlation of, 681
differential, of multiple myeloma and hyperparathyroidism by means of biopsy, 1132
laboratory, in chronic gonorrhea of female, 729
of gonorrhea, use of swabs impregnated with ascitic fluid in, 1211
of general paresis, examination of spinal fluid for, improved method of, 1301
of neurosyphilis, colloidal carbon flocculation test in spinal fluid for, 1068
of rabies, comparative methods of, 1106 (Abst.)
of slight vitamin A deficiency in adults, inadequacy of conjunctival smears in, 663
of syphilis in newborn infants, 1312 (Abst.)
Diagnostic and teaching purposes, rapid preparation of tapeworm proglottids for, 192
culture of tubercle bacilli, simple procedure for, 1195
Diarrhea epidemic in newborn, 548 (Abst.)
Diary of a surgeon in years 1751-1752, 997 (B. Rev.)
Diathermy, 773 (B. Rev.)
Diathesis, hemorrhagic, in jaundice, serum volume test for, 202
Diazo reaction, significance of, 809
Diet, manipulation of glucose tolerance by, 1315 (Abst.)
Diets, effect of high protein, on kidneys of rats, 361
pressor episodes, and the toxicity of morphine sulfate, 1063
Differential diagnosis of multiple myeloma and hyperparathyroidism by means of biopsy, 1132
Diffraction methods for measuring diameter of red blood cell, 508
Digitalis action, effect of temperature on, 999
influence of calcium salts on, 839
effect of large doses of, on standard metabolism, 472
Diphtheria, duration of immunity achieved by various methods, 880 (Abst.)
Direct and indirect reacting types of serum bilirubin, absorption spectra of, 22
Disease, coronary, in diabetes mellitus, 354
Hodgkin's, 883 (Abst.)
hydatid, 881 (Abst.)
(echinococcus), in Canada and United States, 100 (Abst.)
kidney, 552 (B. Rev.)
lung, congenital cystic, 1111
Paget's, calcium tolerance curves in, 18
pulmonary, yeastlike fungi isolated from, 343
rheumatic heart, superimposed infection in, 1052
Still's, with hyperglobulinemia, 833
Weil's, 654 (Abst.)
Diseases, of skin, 774 (B. Rev.)
syphilis and other infectious, control of, 997 (B. Rev.)
treatment of some chronic and incurable, 774 (B. Rev.)
Diuretics, mercurial, use of, 156
Drainage, biliary, improved technique for, 310
Dust, isolation of tetanus bacilli from, 549 (Abst.)
Dyes and fixing agents, various, staining reactions of fats after use of, 1027
Dysentery, bacillus, spray culture method for isolation of, 630
Dyspnea "status asthmaticus," successful treatment of, 135

E

Eagle test, reaction of sera of different animals to, 763
Electrocardiogram, pentothal studies with special reference to, 717
Electrocardiographic changes following intravenous administration of magnesium sulfate, 914
transient, noted during attacks of angina pectoris, 819
interpretation, fundamentals of, 106 (B. Rev.)
studies during anesthesia with intravenous barbiturates, 575
Emulsion pipette for Kline test, 317
Encysted trichinae, 324 (Abst.)
Endameba histolytica in vitro, observations on induced encystment of, 261
Endocarditis, bacterial, unusual bacillus from a case of, 379
Endometrium, human, biopsy studies of, 323 (Abst.)
Eosinophilia, clinical significance of, 1137
Epidemic, study of a pneumonia type I, 1106 (Abst.)
trichinosis, of sixty-four cases, 1219 (Abst.)
Erythrocyte counts, errors in, due to Hayem's solution—avoided with Gowers' solution, 1282

Erythrocyte—Cont'd
fragility, changes in, due to physical exercise and variation of body temperature, 786
sedimentation and anemia, 519
Erythrocytes, clinical investigation of increased fragility of, 468
fragility of, use of index of hemolysis in expressing, 746
leucocytes, and hemoglobin of blood, 488
pseudoagglutination of, by alkali, 98
staining of, in urinary sediment, 1103 (Abst.)
Essentials of psychiatry, 1110 (B. Rev.)
Estrin, apparatus for extraction of, from urine, 412
in urine, chemical diagnosis of pregnancy by detection of, 633
Estrogenic substances, biological assay of, 85
Estrous cycle of white rats, effect of protamine insulinate on, 1237
Ethyl alcohol, excretion of ingested, in saliva, 1007
Evaporation controller and signal, automatic, 642
Evaporator, low-temperature, 978
Excretion of ferrocyanid in man in relation to urea clearance, 215 (Abst.)
of ingested ethyl alcohol in saliva, 1007
urinary iron, 148
of single doses of sulfanilamide, 615
Exercise, physical, and variation of body temperature, changes in erythrocyte fragility due to, 786
Experimental studies on long-continued administration of bismuth, 127
study of breathing, cock controlled at a distance for, 621
Extract, adrenal cortex, 329
Extraction apparatus for liquids, microconstant, 618
chemical, with simple automatic shaker, 313
of estrin from urine, apparatus for, 412

F

Fats, staining reactions of, after the use of various dyes and fixing agents, 1027
Febrile albuminuria, 325 (Abst.)
Fever, rheumatic, cytologic studies of, 1219 (Abst.)
typhus, laboratory methods for recognition of, 214 (Abst.)
undulant, diagnosis and treatment of, 766 (Abst.)
incidence of positive immunologic reactions for, 918
Filter adapter for small quantities of solutions, 1098
Filters, Berkefeld, method for clearing coagulated serum-blocked, 542
Filtrates, meningococcus broth, 463
Flocculation methods, chemical, concentration of tubercle bacilli from sputum by, 736
Fluid, analysis of, from chylous mesenteric cyst, 596
ascitic, use of swabs impregnated with, in laboratory diagnosis of gonorrhea, 1211
cerebrospinal, determination of sulfanilamide in, 648
spinal, examination of, for diagnosis of general paresis, 1301
Fluids, biological, modification of titan yellow method for determination of small amounts of magnesium in, 1079
Fluorescence intensity, measurement of, by photoelectric means, 81
Fluoride poisoning, composition of human bone in chronic, 1103 (Abst.)
Folin-Malmros micro blood sugar method, standardization of, for capillary and venous blood, 847
Food poisoning problem, staphylococcus, present status of, 1150
Friedlander, primary, pneumonia, 99 (Abst.)
Fröhde's reagent, 625
Frozen sections, simple method for demonstration of spirochetes in, 315
Fuchsin lactose broth in water analysis, 1316 (Abst.)
Fundamentals of electrocardiographic interpretation, 106 (B. Rev.)
Fungi, medium for pathogenic, 549 (Abst.)
yeastlike, isolated from normal skins, 1259
isolated from pulmonary disease (bronchomonilias), 343
isolation and identification of, biochemical and morphologic methods for, 1248

G

Gallbladder, normal, does removal of, affect metabolism of lipids? 441
Gangrene anaphylaxis following administration of horse serum, 1313 (Abst.)
gaseous, bacteriostatic action of prontosil soluble, sulfanilamide, and disulfanilamide commonly causally associated with, 609
Gas analysis, method for collecting blood for, 1094
illuminating, method for utilizing, in Brown, Fildes and McIntosh or other anaerobe jars of Laidlaw principle, 870
Gastric contents of man, effect of atropine on, 256
tubercle bacilli in, 547 (Abst.)
juice, canine, partition of nitrogen in, 822
mucosa, depepsinized and undepepsinized, comparison of antipernicious anemia potency of, 949
Genital abnormalities, hermaphroditism, and related adrenal diseases, 552 (B. Rev.)
Gland, thyroid, and hematopoiesis, 219
Glands, parotid, modification of Krasnogorski method for stimulating and measuring secretion from, 267
Glomerulonephritis, anemia of chronic, and its relationship to gastric acidity, 770 (Abst.)
Glucose, normal, tolerance tests, 364
tolerance, manipulation of, by diet, 1315 (Abst.)
Glutathione content of blood during the puerperium, 1266
Glycosuria, hyperglycemia without, 1103 (Abst.)
Gonococcic arthritis, 656 (Abst.)
Gonococcus, chocolate agar for culture of, 415
complement fixation, significance of, 327 (Abst.)
Gonorrhea, chronic, of female, laboratory diagnosis in, 729
laboratory diagnosis of, use of swabs impregnated with ascitic fluid in, 1211
problem in United States, 658 (Abst.)
Gowers' solution in avoiding errors in erythrocyte counts, 1282
Granuloma venereum, pathology of, 1108 (Abst.)
Graphic representation of blood picture, 418
Grouping, blood, for major blood groups, 541
Guanidine-like substances in blood, 9, 123
Guinea pig complement, comparison of methods for preservation of hemolytic activity of, 961
factors influencing production of, 496
determination of heat in, 300
pigs, relation of vitamin C to Schick test in, 1213
Gum dammar for mounting sections of tissue, 993 (Abst.)

H

Hagedorn-Jensen method, value of, for determining pentoses and other reducing sugars formed by hydrolysis of polysaccharides, 280
Hair and scalp, 998 (B. Rev.)
method of staining epithelial scales and, 766 (Abst.)
Handbook of medicine, 998 (B. Rev.)
Hayem's solution, errors in erythrocyte counts due to, avoided with Gowers' solution, 1282
Heart disease, rheumatic, superimposed infection in, 1052
Heat, determination of, in guinea pig, 300
Hematology, textbook of, 886 (B. Rev.)
Hematopoiesis and thyroid gland, 219
Hemochromatosis, iron metabolism in, 47
Hemoglobin, erythrocytes, and leucocytes of blood, 488

Hemolysins, heterophile, 1160
Hemolysis, use of index of, in expressing fragility of erythrocytes, 746
Hemolytic activity of guinea pig complement, comparison of methods for preservation of, 961
anemia, acute, 547 (Abst.)
Hemophilia, investigations in, 769 (Abst.)
Hemopoietic activity, an uncertain index of, 1119
Hermaphroditism, genital abnormalities in related adrenal diseases, 552 (B. Rev.)
Heterophile antigen, sensitization in convulsive states with special reference to, 1160
hemolysins, 1160
Hinton test for syphilis, 536
Histologic structure, correlation of, with clinical features, 431
Histology, textbook of, 772 (B. Rev.)
Hodgkin's disease, 883 (Abst.)
Hormones, serologic antibodies against, 657 (Abst.)
Hot air sterilization and its practical application, 390
Human milk, its lysozyme content and bacterial count, 326 (Abst.)
Hydatid disease, 881 (Abst.)
(echinococcus) disease in Canada and United States, 100 (Abst.)
Hydrogen ion concentrations, direct reading nul point amplifier for measuring, 864
Hydrolysis of polysaccharides, reducing sugars formed by, value of Hagedorn-Jensen method for determining, 280
Hyperglobulinemia, formol-gel reaction as a preliminary test for, 105 (Abst.)
Still's disease with, 833
Hyperglycemia without glycosuria, 1103 (Abst.)
Hyperindicanemia in renal insufficiency and significance of diazo reaction, 809
Hyperinsulinism, 231
Hyperparathyroidism by means of biopsy and differential diagnosis of multiple myeloma, 1132
Hyperproteinemia in multiple myeloma, 369
its significance, 658 (Abst.)
Hypersensitivity, amidopyrine, 107
Hypertension, arterial, 440 (Abst.)
Hyperthyroidism, serum potassium in, 1123
Hypoglycemia, insulin, relationship of, to method of administration and type of insulin, 944

I

Ide test for syphilis, 954
reaction of sera of different animals to, 763
Illuminating gas, method for utilizing, in Brown, Fildes and McIntosh or other anaerobe jars of Laidlaw principle, 870
Immunity, duration of diphtheria, 880 (Abst.)
staphylococcic, 439
Immunization, active, against tetanus by means of tetanus toxoid alum-precipitated refined, 903
against scarlet fever, 435 (Abst.)
Immunologic reactions, incidence of positive, for undulant fever, 918
Indol, urinary, source of, 459
Infection, Salmonella suipestifer, 1223
superimposed, in rheumatic heart disease, 1052
Infections, brucella, advantage of stained antigens in diagnostic agglutination test for, 298
Infectious mononucleosis, 437 (Abst.)
Inflammation, mechanism of, 104 (Abst.)
Inoculations, intravenous, mouse holder facilitating, 1293
Insulin hypoglycemia, relationship of, to method of administration and type of insulin, 944
preparations, comparative effects of, upon blood sugar curve, 1
protamine, control of intractable clinical and of total experimental diabetes with, 241
studies on anaphylaxis with, 938
"Integrative action" of mixtures of simple organic substances, 527
Intensity, fluorescence, measurement of, 81
Intoxication, alcoholic, diagnosis and medicolegal implications, 992 (Abst.)
Intradermal antuitrin-S in children, 756
Intravenous administration of magnesium sulfate, electrocardiographic changes following, 914
injection apparatus for unrestrained animals, 303
of sodium ascorbate, ascorbic acid in blood and urine after, 1226
inoculations, mouse holder facilitating, 1293
Introduction to ophthalmology, 1109 (B. Rev.)
Investigation concerning an ancient remedy and its medicinal utilities, narrative of, 772 (B. Rev.)
in hemophilia, 769 (Abst.)
Iron in relation to menstruation, 566
metabolism in hemochromatosis, 47
urinary, excretion, 148
Irradiation, ultraviolet, changes in colloidal gold curve of normal and pathologic spinal fluids after, 1146

J

Jaundice, serum volume test for hemorrhagic diathesis in, 202
Jenner-Kay method for phosphatase determination, 1117

K

Kahn reactions of sixty-four tularemia patients, 1310
test, reaction of sera of different animals to, 763
some practical aspects of routine performance of, 181
Keidel tubes, apparatus for opening, 1193
"Kelly," multiple serositis, 39
Kidney disease, practical talks on, 552 (B. Rev.)
pathology of renal papilla, 880 (Abst.)
tumors, hypernephroid of, 213 (Abst.)
Kidneys of rats, effect of high protein diets on, 361
Kline and Wassermann tests, comparison of series of, with respect to specificity and sensitivity, 73
test, improved ring maker and emulsion pipette for, 317
reaction of sera of different animals to, 763
Krasnogorski method for stimulating and measuring secretion from parotid glands in human beings, modification of, 267

L

Laboratory diagnosis in chronic gonorrhea of female, 729
of gonorrhea, use of swabs impregnated with ascitic fluid in, 1211
shaker, universal, 974
tests, detection of cirrhosis and other diseases of liver by, 588
Laidlaw principle, anaerobe jars of, method for utilizing illuminating gas in, 870
Lantern slides of photomicrographs in color, 1297
Laughlen test, reaction of sera of different animals to, 763
Lead poisoning, 323 (Abst.)
Leucemia and allied disorders, classification and terminology of, 770 (Abst.)
monocytic, 548 (Abst.)
Leucocyte pictures of blood in Iraq, 1217 (Abst.)
response to sulfanilamide, 1312 (Abst.)
Leucocytes, erythrocytes, and hemoglobin of blood, 488
in study of leucopenias, importance of concentration preparations of, 687
Leucocytic, degenerative, transformations, associated with aging, 791
variability and its relation to meteorologic alterations, 797
Leucopenias, importance of concentration preparations of leucocytes in study of, 687
Leucopenic index, critical study of leucocyte behavior during gastric analysis, 215 (Abst.)

Leucopoietic response and technique of intravenous autohemotherapy with hemolyzed blood, 775
Life, little things of, 106 (B. Rev.)
Ligation of common bile duct, effects of, on blood iodine and blood counts of male rabbits, 1037
Lipid, does removal of normal gallbladder affect metabolism of? 441
Liquids, microconstant extraction apparatus for, 618
Little things of life, 106 (B. Rev.)
Liver disease, amino acid and ammonia metabolism in, 773 (B. Rev.)
Lobar pneumonia in children, 883 (Abst.)
Low-temperature evaporator, 978
Lung disease, congenital cystic, 1111
Lymphatic system, blood pictures in primary diseases of, 217 (Abst.)

M

Machine, multiple pipetting, 318
Macropolycyte in health and disease in Iraq, 215 (Abst.)
Magnesium in biological fluids, modification of titan yellow method for determination of small amounts of, 1079
sulfate, electrocardiographic changes following intravenous administration of, 914
Maladies, minor, and their treatment, 660 (B. Rev.)
Malignant and nonmalignant nuclei and nucleoli, cytologic comparison of, 1046
Manganese, determination of, microchemical method for, by oxidation with potassium persulfate, 1304
Marrow puncture, sternal, 550 (Abst.)
Measurement of fluorescence intensity by photoelectric means, 81
Mechanism of inflammation, 104 (Abst.)
Media, selective, comparative study of, for isolation of typhoid bacilli from stool specimens, 1185
Medical teaching, color photography and its application in, 733
treatment, vade mecum of, 998 (B. Rev.)
Medicinal remedy, ancient, and its modern utilities, narrative of investigation concerning, 772 (B. Rev.)
Medicine, forensic, blood grouping in, 218 (Abst.)
handbook of, 998 (B. Rev.)
Medicolegal aspects of Ruxton case, 998 (B. Rev.)
Medium, chemical, for pathogenic fungi, 549 (Abst.)
Meningitis, epidemic, onset and course, 385
meningococcic and acute meningococcemia, 1218 (Abst.)
meningococcus, control of, 1217 (Abst.)
nonhemolytic streptococcic, 482
Meningococcic and acute meningococcemia meningitis, 1218 (Abst.)
Meningococcus antitoxin, 252
broth filtrates, studies on, 463
meningitis, control of, 1217 (Abst.)
Menstruation, blood copper and iron in relation to, 566
Mercurial diuretics, use of, 156
Metabolic study of five children with nephrotic syndrome, 995 (Abst.)
Metabolimeter, portable air-using, 1202
Metabolism, effect of large doses of digitalis on, 472
iron, in hemochromatosis, 47
of lipids, does removal of normal gallbladder affect? 441
Meteorologic alterations, leucocytic variability and its relation to, 797
Method for demonstration of spirochetes in frozen sections, 315
improved, for determination of urine urea nitrogen by direct nesslerization, 188
of anatomy, 662 (B. Rev.)
timesaving, for examining blood films with high dry (45x) and oil immersion objectives, 646
Methods for detecting and grading subclinical scurvy, comparison of, 1015
urea, comparison of, 194
Metrazol, camphortetrazol, and schizophrenic psychoses, experimental and clinical considerations of actions of, 1240
Micro blood sugar method, Folin-Malmros, standardization of, for capillary and venous blood, 847
Microchemical method for determination of manganese by oxidation with potassium persulfate, 1304
Microdetermination of calcium in water, 845
Microflocculation tests for syphilis, 1206
Microhemopipette, combination, 980
Microscopic mounts for mailing, method for protection of, 1300
Microtitrations, stirring device for use in, 532
Microtomist's vade mecum, 661 (B. Rev.)
Middle age is what you make it, 1109 (B. Rev.)
Milk, human, its lysozyme content and bacterial count, 326 (Abst.)
present status of phosphatase test for pasteurization, 1107 (Abst.)
underpasteurized, phosphatase test for detection of, 655 (Abst.)
Mississippi Valley Medical Society, 218
Monkeys, decerebrated, anaphylaxis in, 30
Monocytic leucemia, 548 (Abst.)
Mononucleosis, infectious, diagnostic value of supravital staining in, 437 (Abst.)
Morphine, crystal tests for minute amounts of, 622
Fröhde's reagent for, 625
sulfate, toxicity of, pressor episodes, diets and, 1063
Mountings, museum, 65
Mounts, microscopic, for mailing, method for protection of, 1300
Mouse holder facilitating intravenous inoculations, 1293
Mouth, incidence of trichomonads in, 323 (Abst.)
Mucosa, gastric, depepsinized and undepepsinized, comparison of antipernicious anemia potency of, 949
Multiple pipetting machine, 318
serositis, "Kelly," 39
Mumps, 129
Museum mountings, 65
Mycological findings in sputum, 553
Myeloma, multiple, differential diagnosis of, and hyperthyroidism by means of biopsy, 1132
hyperproteinemia in, 369
Myxedema, anemia of, 440 (Abst.)
effect of thyroid extract, liver extract, and iron on, 219

N

Neoplasia, early epidermal, 1315 (Abst.)
Neoplasms and blood diseases, relation of blood group to, 654 (Abst.)
identification of tumor cells in sediments of serous effusions, 102 (Abst.)
nuclear sizes in growth disturbances, 217 (Abst.)
Nephrosis, metabolic study of five children with nephrotic syndrome, 995 (Abst.)
Nesslerization, direct, improved method for determination of urine urea nitrogen by, 188
Neufeld reaction, modification of technique, in type of pneumococci, 180
(Quellung test) observations on, following desiccation of pneumococcus preparations, 1277
Neurosyphilis, diagnosis of, colloidal carbon flocculation test in spinal fluid for, 1068
Newborn, diarrhea epidemic in, 548 (Abst.)
Nicotine poisoning, fatal, 770 (Abst.)
Nigrosine, use of, to demonstrate Treponema pallidum in syphilitic lesions, 646
Nitrogen, partition of, in canine gastric juice, 822
urine urea, improved method for determination of, by direct nesslerization, 188
Nitrogenous waste products and chlorides in blood, relationship between, 689
Nonrenal azotemia, 450
Normal and trichinized white rabbits, blood studies on, 32
Nuclei and nucleoli, malignant and nonmalignant, cytologic comparison of, 1046
Nul point amplifier for measuring hydrogen ion concentrations and oxidation-reduction potentials, 864
Nutritional anemia, treatment of, in rats with meat, 358

O

Obstruction, bowel, therapeutic problem in, 662 (B. Rev.)
Ophthalmology, introduction to, 1109 (B. Rev.)
Organic substances, "integrative action" of mixtures of, 527
Orthostatic albuminuria, renal lesion in, 218 (Abst.)
Ovarian tumors, cytology of, 213 (Abst.)
Oxidation-reduction phenomena, mixtures of simple organic substances in, 527
potentials, direct reading nul point amplifier for measuring, 864

P

P-dimethylaminobenzaldehyde, reaction of urobilinogen with, 1127
Paget's disease of bone, calcium tolerance curves in, 18
Paper, urease, improved method for preparation of, 1097
Para-aminobenzenesulfonamide, determination of, 1273
(sulfanilamide) in urine and blood, determination of, 651
Paraffin rings for blood typing, use of, 539
sections of tissue, silver impregnation of reticulum in, 767 (Abst.)
Paresis, general, improved method of examination of spinal fluid for diagnosis of, 1301
Parotid glands, modification of Krasnogorski method for stimulating and measuring secretion from, 267
Patch tests, new method of making multiple, 1108 (Abst.)
Pathology, clinical, textbook of, 1110 (B. Rev.)
of granuloma venereum, 1108 (Abst.)
Pediatrician, compleat, 773 (B. Rev.)
Pentoses and other reducing sugars formed by hydrolysis of polysaccharides, Hagedorn-Jensen method for determining, 280
Pentothal studies with special reference to the electrocardiogram, 717
Perfusion stage for observations on daphnia, 1076
Pericarditic pseudocirrhosis of liver, "Pick," 39
Peripheral blood samples, method for collection of, 751
Pernicious anemia, sternal marrow in, 101 (Abst.)
Perspiration, excretion of sulfanilamide in, 790
Petri dish cultures without camera, simplified method for making photographic records, 1299
Phenolic compounds, Fröhde's reagent for, 625
Phenolphthalein studies, 991 (Abst.)
Phosphatase values (Jenner-Kay method) normal plasma, 1117
Photoelectric colorimeter, simple direct reading, 284
means, measurement of fluorescence intensity by, 81
Photographic records of Petri dish cultures without camera, simplified method for making, 1299
Photography, color, and its application in medical teaching, 753
Photometer, photoelectric, standardization of Folin-Malmros micro blood sugar method for capillary and venous blood and its adaption to, 847
Photomicrographs in color, lantern slides of, 1297
Physiologic actions of benzedrine sulfate, method of studying some of, 700
Physiological chemistry, practical, 661
"Pick," pericarditic pseudocirrhosis of liver, 39
Picric-acid alum spray in poliomyelitis, results of, 325 (Abst.)
Pigeon reticulocytes, an uncertain index of hemopoietic activity, 1119
Pipette, emulsion, for Kline test, 317
Pipetting machine, multiple, 318
Plasma, blood, of normal man, cholesterolysis in, 711
phosphatase values, normal, 1117
volume determinations, analysis of colorimetric methods in relation to, 423
Platelet volume, determination of, 166
Pneumococci, typing of, modification of technique of Neufeld reaction in, 180
Pneumococcus preparations, observations on Neufeld reaction (Quellung test) following desiccation of, 1277
type differentiation, preservation of sputum for, 164
VII, pneumonia due to, 439 (Abst.)
Pneumonia, due to B. Friedlanderi, 881 (Abst.)
due to pneumococcus type VII, 439 (Abst.)
lobar, in children, 883 (Abst.)
pneumococcic, community provision for serum treatment of, 657 (Abst.)
primary Friedlander, 99 (Abst.)
type I, effects of very early serum treatment in, 100 (Abst.)
epidemic, study of, 1106 (Abst.)
Poisoning, fatal nicotine, 770 (Abst.)
fluoride, composition of human bone in chronic, 1103 (Abst.)
lead, 323 (Abst.)
problem, staphylococcus food, present status of, 1150
shell-fish, paralytic, 884 (Abst.)
Poliomyelitis, results of prophylactic picric-acid alum spray in, 325 (Abst.)
Polysaccharides, hydrolysis of, value of Hagedorn-Jensen method for determining reducing sugars formed by, 280
Pork products, distribution of Trichinella spiralis in, sold in Philadelphia, 671
Postmortem findings and clinical diagnosis in trichinosis, correlation of, 681
Potassium persulfate, determination of manganese by oxidation with, microchemical method for, 1304
serum, in hyperthyroidism, 1123
Practice, general, modern treatment in, 660 (B. Rev.)
Pregnancy, chemical diagnosis of, by detection of estrin in urine, 633
early, 436 (Abst.)
etiology of toxemias of, 767 (Abst.)
observations on, 1314 (Abst.)
Pressor episodes, diets, and toxicity of morphine sulfate, 1063
Pressure, venous, in man, limits of usefulness of direct and indirect methods of determining, 1088
"Prints, skin," 72
Proglottids, tapeworm, for diagnostic and teaching purposes, rapid preparation of, 192
Prontosil soluble, sulfanilamide and disulfanilamide, bacteriostatic action of, on sporulating anaerobes, 609
sulfanilamide and, in treatment of nonhemolytic streptococcic meningitis, 482
Prostatectomy, transurethral, sulfanilamide after, 1314 (Abst.)
Protamine insulin, control of intractable clinical and of total experimental diabetes with, 241
Protamines, nature and uses of, in treatment of diabetes, 1237
Protein diets, effect of, on kidneys of rats, 361
total, sugar and chlorides in cerebrospinal fluid, determination of, 179
urinary, qualitative determination of, simple method for, 1209
Proteins, blood, in delirium tremens, 1315 (Abst.)
Pseudoagglutination of erythrocytes by alkali, 98
Psychiatry, essentials of, 1110 (B. Rev.)
Psychoses, schizophrenic, camphortetrazol and metrazol, experimental and clinical considerations of actions of, 1240
Puerperium, glutathione content of blood during, 1266
Pulmonary disease (bronchomonilias), studies on yeastlike fungi isolated from, 343
tuberculosis in practice, 886 (B. Rev.)
Purpura, thrombocytopenic, suction test for capillary resistance in, 1218 (Abst.)

Q

Qualitative determination of urinary protein, simple method for, 1209

R

Rabbit, therapeutic measures after poisoning with sublethal and lethal dosages of barbital in, 601
Rabbits, normal and trichinized, blood studies on, 32
Rabies, diagnosis of, comparative methods of, 1106 (Abst.)
Reaction, diazo, significance of, 809
following intra group transfusion, 654 (Abst.)
formol-gel, as a preliminary test for hyperglobulinemia, 105 (Abst.)
Neufeld, modification of technique of, in typing of pneumococci, 180
(Quellung test) observations on, following desiccation of pneumococcus preparations, 1277
of sera of different animals to Kahn, Kline, Ide, Eagle, and Laughlen tests, 763
of urobilinogen with p-dimethylaminobenzaldehyde, 1127
Takata-Ara, clinical significance, 887
mechanism—with special reference to influence of ammonia blood level, 894
tuberculin, daily variations in, 991 (Abst.)
van den Bergh, influence of serum bilirubin on type of, 572
Weltmann serocoagulation, in tuberculosis, 994 (Abst.)
Reactions, Kahn, of sixty-four tularemia patients, 1310
Reagent, Fröhde's, for morphine and other phenolic compounds, 625
Recent advances in study of rheumatism, 661 (B. Rev.)
Rectum, incidence of trichomonads in, 323 (Abst.)
Red blood cell, measuring diameter of, 508
Renal calculi, analysis of, 321
function, excretion of ferrocyanid in man in relation to urea clearance, 215 (Abst.)
tests for, 435 (Abst.)
insufficiency from blood transfusion, 1220 (Abst.)
hyperindicanemia in, 809
lesion in orthostatic albuminuria, 218 (Abst.)
papilla, relationship to renal calculus, 880 (Abst.)
Respiratory valve, easily constructed, 79
Reticulocytes, pigeon, an uncertain index of hemopoietic activity, 1119
Rheumatic fever, cytologic studies of, 1219 (Abst.)
heart disease, superimposed infection in, 1052
Rheumatism, recent advances in study of, 661 (B. Rev.)
Rheumatoid arthritis, comparative evaluation of commonly employed diagnostic tests, 217 (Abst.)
Rickets, production of phosphate, in rats, 448
Rickettsia, method for staining, in sections, 852
Ruxton case, medicolegal aspects of, 998 (B. Rev.)

S

Saliva, excretion of ingested ethyl alcohol in, 1007
Salmonella suipestifer infection, 1223
Salts, calcium, influence of, on digitalis action, 839
Scalp and hair, 998 (B. Rev.)
Scarlet fever, immunization against, 435 (Abst.)
Schick test, relation of vitamin C to, in guinea pigs, 1213
Schizophrenic psychoses, camphortetrazol and metrazol, experimental and clinical considerations of actions of, 1240
Scurvy, subclinical, comparison of methods for detecting and grading, 1015
Sedimentation, blood, influence of anemia on, 1314 (Abst.)
in pulmonary tuberculosis, 659 (Abst.)
erythrocyte, and anemia, 519
rate, simplified method of correcting, 860
Sensitivity, comparison of series of Wassermann and Kline tests with respect to, 73
Sensitization in convulsive states with special reference to heterophile antigen, 1160
Sera, reaction of, of different animals to Kahn, Kline, Ide, Eagle, and Laughlen tests, 763
Serologic evidence of syphilis in malarial patients, 1312 (Abst.)
Serum bilirubin, absorption spectra of direct and indirect reacting types of, 22
influence of quantity of, on type of van den Bergh reaction, 572
calcium in albino rat, effect of salts of citric acid on, 382
potassium in hyperthyroidism, 1123
treatment, effects of very early, in type I pneumonia, 100 (Abst.)
of pneumococcic pneumonia, community provision for, 657 (Abst.)
volume test for hemorrhagic diathesis in jaundice, 202
Weltmann, coagulation reaction, 53
Shaker, simple automatic, chemical extraction with, 313
universal laboratory, 974
Shaking apparatus, 533
Shell-fish poisoning, paralytic, 884 (Abst.)
Sickle-cell anemia, 548 (Abst.)
immunologic studies of, 769 (Abst.)
Significance, clinical, of eosinophilia, 1137
Silicon, toxicity of, 278
Skin, diseases of, 774 (B. Rev.)
"prints," 72
sensitivity in chronic tuberculosis, 550 (Abst.)
Skins, normal, yeastlike fungi isolated from, 1259
Slides, lantern, of photomicrographs in color, 1297
Sodium ascorbate, intravenous injection of ascorbic acid in blood and urine after, 1226
beta-naphtho-quinone-4-sulfonate, determination of sulfanilamide in cerebrospinal fluid by means of, 648
bicarbonate solution, sterilization of, for intravenous use in acidosis, 761
chloride crystal growth of contamination, effects upon, with normal and abnormal cerebrospinal fluids, 1153
Solution, Hayem's, errors in erythrocyte counts due to—avoided with Gowers' solution, 1282
Solutions, small quantities of, filter adapter for, 1098
Specificity, comparison of series of Wassermann and Kline tests with respect to, 73
Specimens, small blood, method of collecting, 1206
Spinal fluid, examination of, for diagnosis of general paresis, 1301
fluids, normal and pathologic, changes in colloidal gold curve of, after ultraviolet irradiation, 1146
Spirocheta pallida, new stain for, 105 (Abst.)
Spirochetes and bacteria in smears, new method of staining, 293
in frozen sections, simple method for demonstration of, 315
of syphilis and Vincent's angina, practical stain for, 960
Sputum, concentration of tubercle bacilli from, by chemical flocculation methods, 736
myocological findings in, 553
preservation of, for pneumococcus-type differentiation, 164
Stain, low surface tension, practical method of staining Treponema pallida by means of, 1215
new, for Spirocheta pallida, 105 (Abst.)
practical, for spirochetes of syphilis and Vincent's angina, 960
Stained antigens in diagnostic agglutination test for brucella infections, advantage of, 298
Staining and clearing embryos for demonstrating ossification in tissues, 1222 (Abst.)
blood smears, rapid method for, 959
epithelial scales and hair, method of, 766 (Abst.)
of erythrocytes in urinary sediment, 1103 (Abst.)
of tubercle bacilli in sections, 416
reactions of fats after use of various dyes and fixing agents, 1027

Staining—Cont'd
rickettsia in sections, method for, 852
routine tissue sections with hematoxylin and eosin, rapid and economical method for, 1105
spirochetes and bacteria in smears, new method of, 293
Treponema pallida by means of low surface tension stain, practical method of, 1215
Staphylococci immunity, 439
Staphylococcus, antitoxin, effect of, on rabbits given broth cultures of staphylococci intravenously, 159
food poisoning problem, present status of, 1150
"Status asthmaticus," successful treatment of persistent extreme dyspnea, 135
Sterilization, hot air, and its practical application, 390
of sodium bicarbonate solution for intravenous use in acidosis, 761
Sternal marrow puncture, 550 (Abst.)
Still's disease with hyperglobulinemia, 833
Streptococci bacteriemia, hemolytic, significance of, 882 (Abst.)
Streptococcic meningitis, nonhemolytic, 482
Studies, experimental, on long-continued administration of bismuth, 127
on anaphylaxis with insulin, 938
on meningococcus broth filtrates, 463
on trichinosis, 438 (Abst.)
on yeastlike fungi isolated from pulmonary disease (bronchomonilias), 343
Study, comparative, of dehydration, 405
Sugar, total protein and chlorides in cerebrospinal fluid, determination of, 179
Sugars, reducing, formed by hydrolysis of polysaccharides, Hagedorn-Jensen method for determining, 280
Sulfanilamide, 995 (Abst.)
after transurethral prostatectomy, 1314 (Abst.)
and prontosil in treatment of nonhemolytic streptococcic meningitis, 482
determination of, in blood, 1101
in cerebrospinal fluid by means of sodium-beta-naphtho-quinone-4-sulfonate, 648
in urine and blood, 651
disulfanilamide, and prontosil soluble, bacteriostatic action of, on sporulating anaerobes, 609
estimation in blood and other body fluids, 993 (Abst.)
excretion of, in perspiration, 790
leucocyte response to, 1312 (Abst.)
method of determination in urine and blood, 992 (Abst.)
studies of mode of action of, 1221 (Abst.)
therapy, formation of abnormal blood pigment as a complication of, 804
urinary excretion of single doses of, 615
Sulfate, benzedrine, method of studying some physiologic actions of, 700
magnesium, electrocardiographic changes following intravenous administration of, 914
Surgery, clinical, demonstration of physical signs in, 774 (B. Rev.)
Syphilis and other infectious diseases, control of, 997 (B. Rev.)
and Vincent's angina, practical stain for spirochetes of, 960
and yaws, comparative histology of, in Jamaica, 883 (Abst.)
diagnosis of, in newborn infants, 1312 (Abst.)
Hinton test for, 536
Ide test for, 954
microflocculation tests for, 1206
serologic evidence of, in malarial patients, 1312 (Abst.)
Syphilitic lesions, use of nigrosine to demonstrate Treponema pallidum in, 646

T

Takata-Ara reaction, clinical significance, 887
mechanism—with special reference to influence of ammonia blood level, 894
test in hepatic diseases, 213 (Abst.)
Tannic acid, compound solution of, 103 (Abst.)
Tapeworm proglottids, for diagnostic and teaching purposes, rapid preparation of, 192
Technique, improved, for biliary drainage, 310
Temperature and barometric pressure, epidemic meningitis as related to, 385
body, regulating apparatus, 856
variation of, and physical exercise, changes in erythrocyte fragility due to, 786
effect of, on digitalis action, 999
external, influence of, on blood sedimentation rate, 103 (Abst.)
Test, absorption, typing of blood stains and seminal stains by means of, 1221 (Abst.)
chancroidal, 438 (Abst.)
colloidal carbon flocculation, in spinal fluid for diagnosis of neurosyphilis, 1068
diagnostic agglutination, for brucella infections, advantage of stained antigens in, 298
Hinton, for syphilis, 536
Ide, for syphilis, 954
Kahn, some practical aspects of routine performance of, 181
Kline exclusion in prevention of syphilis transfusion, 658 (Abst.)
improved ring maker and emulsion pipette for, 317
patch, for tuberculin, 880 (Abst.)
phosphatase, for detection of underpasteurized milk, 655 (Abst.)
present status of, for pasteurization of milk, 1107 (Abst.)
Schick, relation of vitamin C to, in guinea pigs, 1213
serum volume, for hemorrhagic diathesis in jaundice, 202
Takata-Ara, in hepatic diseases, 213 (Abst.)
tuberculin, ointment patch test, 766 (Abst.)
technical factors affecting, 324 (Abst.)
Tests, crystal, for minute amounts of morphine, 622
for renal function, 435 (Abst.)
glucose tolerance, normal, 364
Kahn, Kline, Ide, Eagle, and Laughlen, reaction of sera of different animals to, 763
laboratory, detection of cirrhosis and other diseases of liver by, 588
microflocculation, for syphilis, 1206
patch, new method of making multiple, 1108 (Abst.)
Tetanus, active immunization against, by means of tetanus toxoid alum-precipitated refined, 903
Textbook of hematology, 886 (B. Rev.)
of histology, 772 (B. Rev.)
Theophylline ethylene diamine (aminophylline, U. S. P.), intravenous use of, 135
Therapeutic measures, effectiveness of, after poisoning with sublethal and lethal dosages of barbital, 601
Therapy, sulfanilamide, formation of abnormal blood pigment as a complication of, 804
Thrombocytopenic purpura, suction test for capillary resistance in, 1218
Thyroid gland and hematopoiesis, 219
Tissue, biopsy studies of human endometrium, 323 (Abst.)
cellophane embedding box, 103 (Abst.)
determination of total fixed base in, 274
epidermal neoplasia, early, 1315 (Abst.)
gum dammar for mounting sections of, 993 (Abst.)
method for histological examination of long strips of hollow viscera, 768 (Abst.)
rapid and economical method for staining routine sections with hematoxylin and eosin, 1105 (Abst.)
silver impregnation of reticulum in paraffin sections, 767 (Abst.)
simple protection in aseptic grinding of, 645
Tissues, clearing and staining of embryos for demonstrating ossification, 1222 (Abst.)
Titan yellow method, modification of, for determination of small amounts of magnesium in biological fluids, 1079
Tolerance tests, normal glucose, 364
Tourniquet, improved, 1296
Toxemias of pregnancy, etiology of, 767 (Abst.)
observations on, 1314 (Abst.)
Toxicity of morphine sulfate, pressor episodes, diets and, 1063
of silicon, 278

Toxicology of cyanide, 1311 (Abst.)
Transfusion, inexhaustible supply of blood for, and its preservation, 1104 (Abst.)
Kline exclusion test in prevention of syphilis, 658 (Abst.)
reaction following intra group, 654 (Abst.)
Treatment in general practice, modern, 660 (B. Rev.)
minor maladies and their, 660 (B. Rev.)
of nutritional anemia in rats with meat, 358
successful, of persistent extreme dyspnea "status asthmaticus," 135
Treponema pallida, practical method of staining, by means of low surface tension stain, 1215
pallidum, use of nigrosine to demonstrate, in syphilitic lesions, 646
Trichinae, encysted, 324 (Abst.)
Trichinella spiralis, distribution of, in pork products, 671
Trichinized and normal white rabbits, blood studies on, 32
Trichinosis, correlation of clinical diagnosis and postmortem findings in, 681
distribution of trichinella spiralis in pork products sold in Philadelphia, 671
epidemic of sixty-four cases, 1219 (Abst.)
studies on, 438 (Abst.)
Trichomonads, in vagina, mouth and rectum, 323 (Abst.)
Tubercle bacilli, comparative study of various methods of cultivation from blood, 659 (Abst.)
concentration of, from sputum by chemical flocculation methods, 736
diagnostic culture of, simple procedure for, 1195
in gastric contents, 547 (Abst.)
washings, 551 (Abst.)
staining of, in sections, 416
Tuberculin, new patch test, 880 (Abst.)
reaction, daily variations in, 991 (Abst.)
skin sensitivity in chronic tuberculosis, 550 (Abst.)
test, ointment patch test, 766 (Abst.)
technical factors affecting, 324 (Abst.)
Tuberculosis, agglutinins for typhoid group bacilli in, 550 (Abst.)
incidence of, in a New York City diabetic clinic, 581
pulmonary, in practice, 886 (B. Rev.)
Weltmann serocoagulation reaction in, 994 (Abst.)
Tubes, Keidel, apparatus for opening, 1193
Tularemia, cause of death in, 103 (Abst.)
patients, Kahn reactions of, 1310
Tumor cell nucleus in neoplasms, 217 (Abst.)
cells, identification of, in sediments of serous effusions, 102 (Abst.)
Tumors, hypernephroid of kidney, 213 (Abst.)
ovarian, cytology of, 213 (Abst.)
Typhoid bacilli from stool specimens, comparative study of selective media for isolation of, 1185
Typhus fever, laboratory methods for recognition of, 214 (Abst.)

U

Unanesthetized animals, apparatus for prolonged stimulation experiments in, 306
monkeys, restraining device for, 1085
Undulant fever, diagnosis and treatment of, 766 (Abst.)
incidence of positive immunologic reactions for, 918
Ultraviolet irradiation, changes in colloidal gold curve of normal and pathologic spinal fluids after, 1146
Urea, determination of, in blood and urine, preparation of urease reagent for Wrenn's method for, 1296
methods, comparison of, 194
Urease paper, improved method for preparation of, 1097
reagent, preparation of, for Wrenn's method for determination of urea in blood and urine, 1296
Urinary excretion of single doses of sulfanilamide, 615
indol, source of, 459
iron excretion, 148
protein, qualitative determination of, simple method for, 1269
Urine and blood, determination of alcohol concentration in, 534
determination of para-aminobenzene sulfonamide (sulfanilamide) in, 651
apparatus for extraction of estrin from, 412
determination of sulfanilamide in, 992 (Abst.)
estrin in, chemical diagnosis of pregnancy by detection of, 633
rapid clinical method for estimation of bismuth in, 655 (Abst.)
simple reaction for demonstration of bilirubin in, 770 (Abst.)
urea nitrogen, improved method for determination of, 188
Urobilinogen, reaction of, with p-dimethylaminobenzaldehyde, 1127
Utilization of calcium by rats, 362

V

Vade mecum of medical treatment, 998 (B. Rev.)
microtomist's, 661 (B. Rev.)
Vagina, incidence of trichomonads in, 323 (Abst.)
Value of Hagedorn-Jensen method for determining pentoses and other reducing sugars formed by hydrolysis of polysaccharides, 280
Valve, respiratory, easily constructed, 79
Van den Bergh reaction, influence of serum bilirubin on type of, 572
Variability, leucocytic, and its relation to meteorologic alterations, 797
Variations, daily, in tuberculin reaction, 991 (Abst.)
Venous pressure in man, limits of usefulness of direct and indirect methods of determining, 1088
Vincent's angina and syphilis, practical stain for spirochetes of, 960
Viscera, hollow, histological examination of long strips of, 768 (Abst.)
Vitamin A deficiency, slight, in adults, inadequacy of conjunctival smears in diagnosis of, 663
C deficiency, clinical test for determining, 1226
in blood, spinal fluid, and urine, 1313 (Abst.)
relation of, to Schick test in guinea pigs, 1213
D, production of phosphate rickets in rats in presence of, 448
Volume, platelet, determination of, 166
test, serum, for hemorrhagic diathesis in jaundice, 202

W

Wassermann and Kline tests, comparison of series of, with respect to specificity and sensitivity, 73
Water analysis, 1316 (Abst.)
microdetermination of calcium in, 845
Weil's disease, 654 (Abst.)
Weltmann serocoagulation reaction in tuberculosis, 994 (Abst.)
serum coagulation reaction, 53
Wrenn's method, urease reagent for, for determination of urea in blood and urine, 1296
Wright technique, modification of, 959

Y

Yaws, comparative histology of syphilis and, in Jamaica, 883 (Abst.)
Yeastlike fungi isolated from normal skins, 1259
isolation and identification of, biochemical and morphologic methods for, 1248